

+1-212-319-5101 customer 01933

NO. 8749 P. 6/10

## PATENT COOPERATION TREATY

PCT/JP2004/017392

## PCT

NOTIFICATION OF TRANSMITTAL  
OF COPIES OF TRANSLATION  
OF THE INTERNATIONAL PRELIMINARY REPORT  
ON PATENTABILITY  
(CHAPTER I OR CHAPTER II  
OF THE PATENT COOPERATION TREATY)  
(PCT Rules 44bis.3(c) and 72.2)

From the INTERNATIONAL BUREAU

To:

ARAFUNE, Hiroshi  
c/o Koyo International Patent And Law Firm  
5F., Nikko Kagurazaka Bldg.  
18, Iwatocho  
Shinjuku-ku, Tokyo 1620832  
JAPON

Date of mailing (day/month/year) 03 August 2006 (03.08.2006)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference F1153PCT	
International application No. PCT/JP2004/017392	International filing date (day/month/year) 24 November 2004 (24.11.2004)
Applicant DAIO PAPER CORPORATION et al	

## 1. Transmittal of the translation to the applicant.



The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter I).



The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).

## 2. Transmittal of the copy of the translation to the designated or elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following designated or elected Offices requiring such translation:

None

The following designated or elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE, AG, AL, AM, AP, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EA, EC, EE, EG, EP, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OA, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

## 3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Authorized officer

Masashi Honda

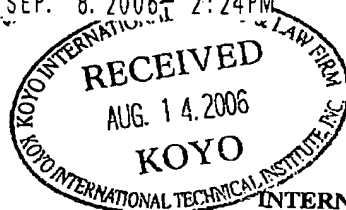
Facsimile No. +41 22 338 82 70

Facsimile No. +41 22 338 82 70

SEP. 8. 2006 2:24PM

+1-212-319-5101 customer 01933

NO. 8749 P. 7/10



## PATENT COOPERATION TREATY

## PCT

RECEIVED  
CENTRAL FAX CENTER

SEP 08 2006

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY  
(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference F1153PCT	FOR FURTHER ACTION		See item 4 below
International application No. PCT/JP2004/017392	International filing date (day/month/year) 24 November 2004 (24.11.2004)	Priority date (day/month/year) 25 November 2003 (25.11.2003)	
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237			
Applicant DAIO PAPER CORPORATION			

1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).

2. This REPORT consists of a total of 4 sheets, including this cover sheet.

In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.

3. This report contains indications relating to the following items:

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Box No. I | Basis of the report   |
| <input type="checkbox"/> Box No. II           | Priority  |
| <input type="checkbox"/> Box No. III          | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability  |
| <input type="checkbox"/> Box No. IV           | Lack of unity of invention  |
| <input checked="" type="checkbox"/> Box No. V | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input type="checkbox"/> Box No. VI           | Certain documents cited   |
| <input type="checkbox"/> Box No. VII          | Certain defects in the international application  |
| <input type="checkbox"/> Box No. VIII         | Certain observations on the international application   |

4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland  Facsimile No. +41 22 338 82 70 Form PCT/IB/373 (January 2004)	Date of issuance of this report 24 July 2006 (24.07.2006)
	Authorized officer  Masashi Honda  e-mail: pt08@wipo.int

## PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

To:

TRANSLATION  
PCTWRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Applicant's or agent's file reference

F1153PCT

Date of mailing  
(day/month/year)

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/JP2004/017392

International filing date (day/month/year)

24.11.2004

Priority date (day/month/year)

25.11.2003

International Patent Classification (IPC) or both national classification and IPC

Applicant

DAIO PAPER CORPORATION

## 1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

## 2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

## 3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/JP

Authorized officer

Facsimile No.

Telephone No.

Form PCT/ISA/237 (cover sheet) (January 2004)

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2004/017392

Box No. 1

Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ This opinion has been established on the basis of a translation from the original language into the following language \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (under Rule 12.3 and 23 1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
- a. type of material
- ☐ a sequence listing
- ☐ table(s) related to the sequence listing
- b. format of material
- ☐ in written format
- ☐ in computer readable form
- c. time of filing/furnishing
- ☐ contained in the international application as filed.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2004/017392

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability;  
citations and explanations supporting such statement

## 1. Statement

Novelty (N)

Claims 1-6

YES

Claims

NO

Inventive step (IS)

Claims 2

YES

Claims 1, 3-6

NO

Industrial applicability (IA)

Claims 1-6

YES

Claims

NO

## 2. Citations and explanations:

Document 1: JP, 59-64043, A (Personal Products Company), 11 April, 1984 (11.04.84)  
Document 2: JP, 62-221348, A (Shiseido Co., Ltd.), 29 September, 1987 (29.09.87)  
Document 3: JP, 11-89880, A (Hakufuji Co., Ltd.), 6 April, 1999 (06.04.99)  
Document 4: Microfilm of the specification and drawings annexed to the written application of Japanese Utility Model Application No. 156148/1982 (Laid-open No. 124524/1984) (Unicharm Corporation), 22 August, 1984 (22.08.84)

Inventions related to claims 1 and 3 do not appear to be inventive on account of the documents 1 and 2 cited in the ISR. Document 1, page 6 and Fig. 5 in particular, describes giving in an emboss station 57 a desired emboss pattern to a sheet 50. Also, document 2 describes giving a zigzag emboss. And, as an emboss pattern given to the sheet 50 described in the document 1, applying the zigzag emboss described in the document 2 is easy to a person skilled in the art.

The invention related to claim 2 is not described in any of the documents cited in the ISR, nor is obvious to a person skilled in the art.

Inventions related to claims 4 and 5 do not appear to be inventive on account of the document 1 and/or the document 3 cited in the ISR. Document 2 describes giving an emboss to a diffusion sheet and an absorber. Also, document 3 describes, in particular in Fig. 13, giving a zigzag emboss to an absorber for disposable diaper. And, as the sheet to be given the emboss pattern described in the document 2, giving an emboss to the diffusion sheet and an absorber described in the document 2, and using the sheet 50 described in the document 1 for a disposable diaper use as described in the document 3, are easy to a person skilled in the art.

The invention related to claim 6 does not appear to be inventive on account of the document 1 and/or the document 4 cited in the ISR. Document 4, in particular in Figs. 2 and 3, describes a point of providing emboss patterns on both faces of an absorber, in a specified arrangement and oppositely to each other. As the emboss pattern to be given to the sheet 50 described in the document 1, applying the point of giving it from both sides as described in the document 4 is easy to a person skilled in the art.

Form PCT/ISA/237 (Box No. V) (January 2004)